

Title: TRANSCRIPTION FACTOR E2F DNA-BINDING DOMAIN INHIBITOR PEPTIDES AND THEIR USE

Abstract

The present invention provides peptides which bind to the DNA binding domain of transcription factor E2F, and inhibit cell cycle progression. Peptides include FWLRFT (SEQ ID NO:1); WVRWHF (SEQ ID NO:2); WHFIFW (SEQ ID NO:3); IWLSGLSRGVWVSFP (SEQ ID NO:4); and GSRILTRSGSWYAS (SEQ ID NO:5) and derivatives based upon these sequences. Compositions and the use of the peptides in inhibiting cell cycle progression, such as in uncontrolled cell proliferation, are also provided.